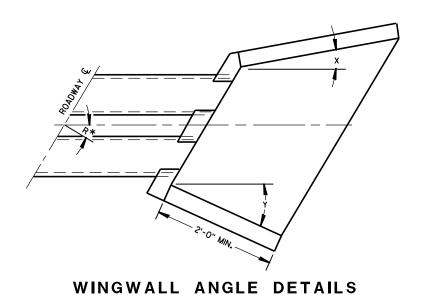


6

D

D



INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	=	16 - 45°	10°	
23 - 37°	20°		46 - 75°	5°	
38 - 52°	15°		OVER 75°	0°	
53 - 67°	10°	-			
68 - 82°	5°	=			
OVER 82°	0°	=			

\*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

## **GENERAL NOTES**

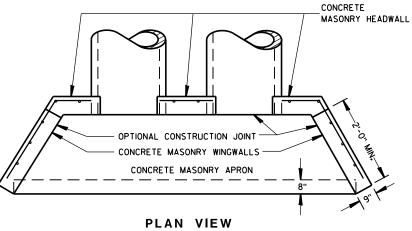
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

FILL SLOPES FLATTER THAN 2 1/2:1 SHALL BE WARPED TO MEET THE TOP OF THE

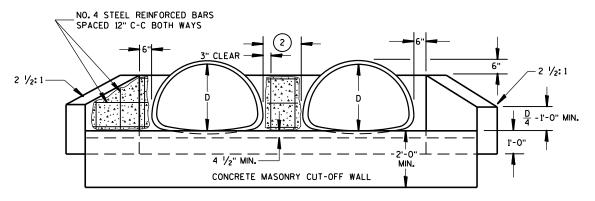
ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

- 1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.
- 2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

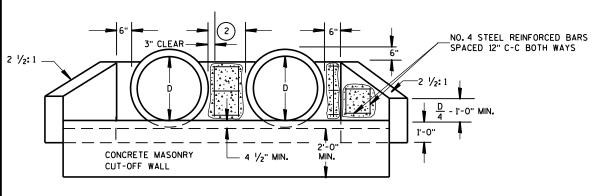
DIAMETER OR SPAN SPACE UP TO AND INCLUDING 48' 1/2 DIA. OR SPAN OVER 48" TO 72" OVER 72"



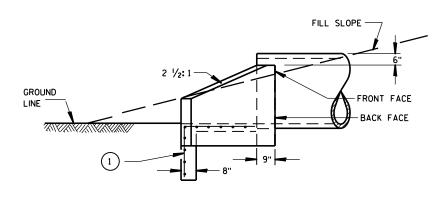
CULVERT PIPE AND PIPE ARCH



**END ELEVATION** PIPE ARCH



**END ELEVATION CULVERT PIPE** 



SIDE ELEVATION CULVERT PIPE AND PIPE ARCH CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PROVED				
9-14-98	/9	5/	Rory	L. Rhin
DATE	CHIEF	R	DADWAY	DEVELO

 $\infty$ Ω OPMENT ENGINEER Ω

# **Standard Detail Drawing 8F10**

April 18, 2003

# Concrete Masonry Endwalls for Culvert Pipe and Pipe Arch

#### References:

NONE

## Bid items associated with this drawing:

ITEM NUMBERDESCRIPTIONUNIT504.0900Concrete Masonry EndwallsCY

# Standardized Special Provisions associated with this drawing:

STSP NUMBER TITLE

NONE

## Other SDDs associated with this drawing:

NONE

### **Design Notes:**

Endwalls are designed for a maximum height of 7 feet.

### **Contact Person:**

Ed Lilla (608) 266-2312